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Date <u>7/9/02</u>	Serial # <u>09/850 113</u>	Priority Application Date _____
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Terms: **patno=5902965** ([Edit Search](#))

00019712 5902965 May 11, 1999

UNITED STATES PATENT AND TRADEMARK OFFICE GRANTED PATENT
5902965

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May 11, 1999

Electric balance for correcting misloading thereof

REISSUE: May 8, 2001 - Reissue Application filed May 8, 2001 (O.G. Jul. 24, 2001) Ex. Gp.: 2859;
Re. S.N. 09/850,113 July 24, 2001

INVENTOR: Oldendorf, Christian, Gottingen, DEX; Melcher, deceased, Franz-Josef, late of
Hardeggen, DEX; Berg, Christoph, Gottingen, DEX

APPL-NO: 00019712

FILED-DATE: February 6, 1998

GRANTED-DATE: May 11, 1999

PRIORITY: March 5, 1994 - 44 07 433, Germany (DE)

ASSIGNEE-AT-ISSUE: Sartorius AG, Gottingen, DEX

LEGAL-REP: Schellin, Eric P.

PUB-TYPE: May 11, 1999 - Utility Patent having no previously published pre-grant publication (A)

PUB-COUNTRY: United States (US)

REL-DATA:

Addition of Ser. No. 5847328; Addition of Ser. No. 397958, March 3, 1995


US-MAIN-CL: 177#02511

US-ADDL-CL: 141#083, 177#02516, 177#02519

IPC-MAIN-CL: G 01G023#14

IPC ADDL CL: G 01G023#26

SEARCH-FLD: 177#2511 , 177#2512 , 177#2513 , 177#2514 , 177#2515 , 177#2516 , 177#2517 ,
177#2519 , 141#83

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7/10/02

US 5,902,965

09/850113

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** SS 2: Results 1

Search statement 3

?prt fu legalall max

1/1 PLUSPAT - (C) QUESTEL-ORBIT- image

CPIM (C) Questel-Orbit

PN - US5902965 A 19990511 [US5902965]

TI - (A) Electric balance for correcting misloading thereof

PA - (A) SARTORIUS GMBH (DE)

IN - (A) OLDENDORF CHRISTIAN (DE); MELCHER FRANZ-JOSEF (DE); BERG
CHRISTOPH (DE)

AP - US1971298 19980206 [1998US-0019712]

PR - DE4407433 19940305 [1994DE-4407433]

- US1971298 19980206 [1998US-0019712]

- US39795895 19950303 [1995US-0397958]

IC - (A) G01G-023/14 G01G-023/26

EC - G01G-019/24

- G01G-023/37B

PCL - ORIGINAL (O) : 177025110; CROSS-REFERENCE (X) : 141083000 177025160
177025190

DT - Basic

CT - US4840239; US5544684

STG - (A) United States patent

AB - In an electronic balance for loading having a balance scale (3) weighing system, display (19), control keyboard (21 to 26) and a digital processing electronic circuitry in which circuitry at least one memory is present for the weighed value shown in the display (19). A first additional key (25) is present in the control keyboard (21 to 26) upon the actuation of the key the weighed value shown in the display (19) and stored in the digital signal processing electronics is decreased and upon the first actuation of the key the weighed value displayed immediately previously is taken in addition into a first additional memory. Furthermore, a second additional key (24) is present in the control keyboard (21 to 26) upon whose actuation the weighed value displayed in the display (19) is taken into a second additional memory. By means of the decreasing key the balance operator can decreased the display from the too large actual value step-by-step to the correct theoretical value. Since the overload is generally only a few numerical steps of the balance display, this is achieved with a few steps. The balance can calculate the percentage overload by storing the balance display prior to the decreasing and during the conclusion of the decreasing and subsequently bring about the same overloading in the known manner for each of the remaining components. This creates the possibility even for simple loading balances without an electronic recipe memory of compensating an inadvertent overloading of a component by means of a overloading of the other components in equal percentage.

1/1 LGST - (C) LEGSTAT

7/10/02

US 5,902,965

09/850113

PN - US 5902965 [US5902965]
AP - US 19712/98 19980206 [1998US-0019712]
DT - US-P
ACT - 19980206 US/AE-A
APPLICATION DATA (PATENT)
{US 19712/98 19980206 [1998US-0019712]}
- 19990511 US/A
PATENT
- 20010724 US/RF
REISSUE APPLICATION FILED
20010508
UP - 2001-32

1/1 CRXX - (C) CLAIMS/RRX
AN - 3146977
PN - 5,902,965 A 19990511 [US5902965]
PA - Sartorius AG DE
PT - E (Electrical)
ACT - 20010508 REISSUE REQUESTED
ISSUE DATE OF O.G.: 20010724
REISSUE REQUEST NUMBER: 09/850113
EXAMINATION GROUP RESPONSIBLE FOR REISSUEPROCESS: 2859

Reissue Patent Number:

UP - 2001-30
UACT- 2001-07-24

1/1 PAST - (C) Thomson Derwent
AN - 200130-001078
PN - 5902965 A [US5902965]
DT - A (UTILITY)
OG - 2001-07-24
CO - REA
ACT - REISSUE APPLICATION FILED
SH - REISSUE APPLICATION FILED

Search statement 3

?file inpadoc

Selected file: INPADOC

Search statement 2

?fam us5902965/pn

1 Patent Groups
** SS 2: Results 6

Search statement 3

?famstate nonstop

7/10/02

US 5,902,965

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1/6 INPADOC - (C) INPADOC
PN - CH 689651 A 19990730 [CH-689651]
TI - ELEKTRONISCHE WAAGE ZUM DOSIEREN.
LA - GER
IN - OLDENDORF CHRISTIAN [DE]
PA - SARTORIUS GMBH [DE]
AP - CH 593/95-A 19950302 [1995CH-0000593]
PR - DE 4407433/94-A 19940305 [1994DE-4407433]
IC - G01G-023/14; G01G-023/36

1/2 LEGALI - (C) LEGSTAT
PN - CH 689651 [CH-689651]
AP - CH 593/95 19950302 [1995CH-0000593]
DT - CH-P
ACTE- 19950302 CH/AE-A
APPLIED (PATENT APPLICATION)
{CH 593/95 19950302 [1995CH-0000593]}
UP - 1999-31

2/2 LEGALI - (C) LEGSTAT
AP - CH 593/95 0 [1995CH-0000593]
DT - CH-A
ACTE- 19990730 CH/AGA-A [+]
PUBLISHED AS MAIN PATENT
(CH 689651 19990730 [CH-689651])
UP - 1999-31

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PN - DE 29503370 U1 19950614 [DE29503370]
TI - ELEKTRISCHE WAAGE ZUM DOSIEREN
PA - SARTORIUS GMBH [DE]
AP - DE 29503370/95-U 19950228 [1995DE-2003370]
PR - DE 29503370/95-U 19950228 [1995DE-2003370]
- DE 4407433/94-A1 19940305 [1994DE-4407433]
IC - G01G-023/16; G01G-019/24

3/6 INPADOC - (C) INPADOC
PN - DE 4407433 A1 19950907 [DE4407433]
TI - ELEKTRISCHE WAAGE ZUM DOSIEREN
IN - OLDENDORF CHRISTIAN [DE]; MELCHER FRANZ-JOSEF [DE]; BERG CHRISTOPH DR
[DE]
PA - SARTORIUS GMBH [DE]
AP - DE 4407433/94-A 19940305 [1994DE-4407433]
PR - DE 4407433/94-A 19940305 [1994DE-4407433]
IC - G01G-019/414; G01G-023/36; G01G-019/22; G01G-023/14

1/1 LEGALI - (C) LEGSTAT
PN - DE 4407433 [DE4407433]
AP - DE 4407433/94 19940305 [1994DE-4407433]
DT - DE-P
ACTE- 19940305 DE/AE-A
DOMESTIC APPLICATION (PATENT APPLICATION)
{DE 4407433/94 19940305 [1994DE-4407433]}
- 19950907 DE/A1 [+]
LAYING OPEN FOR PUBLIC INSPECTION

7/10/02

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- 19950907 DE/OP8 [+]
REQUEST FOR EXAMINATION AS TO PARAGRAPH 44 PATENT LAW
- 19951214 DE/D2 [+]
GRANT AFTER EXAMINATION
- 19960605 DE/8364 [+]
NO OPPOSITION DURING TERM OF OPPOSITION
UP - 1996-24

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PN - DE 4407433 C2 19951214 [DE4407433]
TI - ELEKTRISCHE WAAGE ZUM DOSIEREN
IN - OLDENDORF CHRISTIAN [DE]; MELCHER FRANZ-JOSEF [DE]; BERG CHRISTOPH DR
[DE]
PA - SARTORIUS GMBH [DE]
AP - DE 4407433/94-A 19940305 [1994DE-4407433]
PR - DE 4407433/94-A 19940305 [1994DE-4407433]
IC - G01G-019/414; G01G-023/36; G01G-019/22; G01G-023/14

1/1 LEGALI - (C) LEGSTAT

PN - DE 4407433 [DE4407433]
AP - DE 4407433/94 19940305 [1994DE-4407433]
DT - DE-P
ACTE- 19940305 DE/AE-A
DOMESTIC APPLICATION (PATENT APPLICATION)
{DE 4407433/94 19940305 [1994DE-4407433]}
- 19950907 DE/A1 [+]
LAYING OPEN FOR PUBLIC INSPECTION
- 19950907 DE/OP8 [+]
REQUEST FOR EXAMINATION AS TO PARAGRAPH 44 PATENT LAW
- 19951214 DE/D2 [+]
GRANT AFTER EXAMINATION
- 19960605 DE/8364 [+]
NO OPPOSITION DURING TERM OF OPPOSITION
UP - 1996-24

5/6 INPADOC - (C) INPADOC

PN - US 5847328 A 19981208 [US5847328]
TI - ELECTRIC BALANCE FOR CORRECTING MISLOADING THEREOF
IN - OLDENDORF CHRISTIAN [DE]; MELCHER FRANZ-JOSEF [DE]; BERG CHRISTOPH [DE]
PA - SARTORIUS GMBH [DE]
AP - US 397958/95-A 19950303 [1995US-0397958]
PR - DE 4407433/94-A 19940305 [1994DE-4407433]
IC - G01G-023/14; G01G-023/36

1/1 LEGALI - (C) LEGSTAT

PN - US 5847328 [US5847328]
AP - US 397958/95 19950303 [1995US-0397958]
DT - US-P
ACTE- 19950303 US/AE-A
APPLICATION DATA (PATENT)
{US 397958/95 19950303 [1995US-0397958]}
- 19970227 US/AS02
ASSIGNMENT OF ASSIGNOR'S INTEREST
SARTORIUS AG WEENDER LANDSTRASSE 94-108 GOTTINGEN, FED REP GERMANY
D-37075 * OLDENDORF, CHRISTIAN : 19950227; BERG, CHRISTOPH : 19950227

7/10/02

US 5,902,965

09/850113

- 19970502 US/AS02
ASSIGNMENT OF ASSIGNOR'S INTEREST
SARTORIUS AG WEENDER LANDSTRASSE 94-108 GOTTINGEN, FED REP GERMANY
37075 * KOHLER, RUDOLF, LEGAL REPRESENTATIVE FOR FRANZ-JOSEF MELCHER,
DECEASED : 19970402
- 19981208 US/A
PATENT
UP - 2000-05

6/6 INPADOC - (C) INPADOC
PN - US 5902965 A 19990511 [US5902965]
TI - ELECTRIC BALANCE FOR CORRECTING MISLOADING THEREOF
IN - OLDENDORF CHRISTIAN [DE]; MELCHER FRANZ-JOSEF [DE]; BERG CHRISTOPH [DE]
PA - SARTORIUS GMBH [DE]
AP - US 19712/98-A 19980206 [1998US-0019712]
PR - US 19712/98-A 19980206 [1998US-0019712]
- DE 4407433/94-A 19940305 [1994DE-4407433]
- US 397958/95-A1 19950303 [1995US-0397958]
IC - G01G-023/14; G01G-023/26

1/1 LEGALI - (C) LEGSTAT
PN - US 5902965 [US5902965]
AP - US 19712/98 19980206 [1998US-0019712]
DT - US-P
ACTE- 19980206 US/AE-A
APPLICATION DATA (PATENT)
{US 19712/98 19980206 [1998US-0019712]}
- 19990511 US/A
PATENT
- 20010724 US/RF
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